



Technical Bulletin

Ref: **TB-07002**

Issue date: April 12, 2007

Product: INOcal[®]

Priority: Normal

Affected parts: **CN Tubing Kit** - PN 6002-0000-106

Classification: **Information**

Subject: **Old Calibration tubing tee– High Calibration Errors**

There have been several reports of the INOvent displaying NO values greater than the set dose value after passing a low and high calibration successfully.

The cause of the erroneous readings has been traced to a leak in the CN tubing kit (p/n# 6002-0000-106) attached to the calibration cylinder regulator. A leak in this tubing will dilute the sample of cal gas going the monitor resulting in the monitor being set to read the monitored value as higher than the actual. This will produce a measured greater than set reading during normal operation.

As the CN tubing kit ages, the tubing becomes discolored, stiff and brittle from long term exposure to the cal gas. The most common place for the tubing to crack is at the point where it attaches to the regulator (see Fig #1 below).

Recommended Action

The CN tubing kit should be replaced under the following circumstances:

- The tubing is discolored or stiff
- There is crack or break in the tubing.

Note: A tubing kit with a noticeable crack can be removed from the regulator, trimmed to remove the cracked portion and then reused until a replacement kit can be provided.

A replacement CN tubing kit can be ordered by contacting customer service (877-566-9466).

Figure #1

